App F IX 4

Previous References 1937 (Mar)

File No 234 37

Serial Nos. 9 10

Letter References

GENERAL AND REVENUE SECRETARIAT.

Serial Nos 4

Part B for Feb 29

SUBJECT

Notes of the Executive Engr suggesting measures for the improvement of the water supply system in Daraugiri

Vide orde 10474 dated 30 6 38

WD 0295—GPB—22,500—18-8-37

8/12

General and Revenue Secretariat. | Memorial File No. 234 of 1927

Serial No. 8

From

The Chief Engineer of Mysore Bangalore
Letter no 9963 dated 6 5 25 forwarding
for orders the notes drawn by the
Ex Engineer Water Supply division for
the improvement of the Water Supply
Scheme in Davangere

1 The Ex Engineer sums up his
suggestion for improving the
water supply plant in Davangere
in last page of his notes

2 Important portions of the notes
are marked

Submitted for kind perusal
& orders

3 If approved a copy of the notes
will be forwarded to the D C
Chitaldrug for ~~taking necessary action~~
& intimation on a report by
the Council as to the action taken
within 3 months

for 10/5/28

Asst Secretary

9381/11/5

2nd 10/5

4 Asst 10/5

5 Dy Secy

Secy 10/5

Note—Contin. sheet

Rs 5/-

General and Revenue Secretariat. File No. 2254 of 192

Serial No.

Draft is submitted for kind approval

Sd/ 14/5/28

Sd 15/5

To The D.C Chittabrung

Letter no. L 8220 Rel 294-27-10 dated 17-5-28 forwarding the abstract for taking necessary action & report

Sd/ 17/5/28

Sd A D 5/2/28

Letter no L A.6 C 1208/27-28 dt 14/5/28 from the Dy Comr, Chittabrung Dist forwards a detailed report of the Rural Engr, Dawangiri on the personal points left by the Distt and State tech- for Rural Council and is of opinion that the charge of the Water Supply need not be taken by the P.W.D, as the defects pointed out by the Executive Engr have been rectified

It is suggested that as the defects pointed out by the Executive Engr, Water Supply Division have been rectified, the Rural Council of Dawangiri are of opinion that the Water Supply need not be taken over by the P.W.D as suggested by the Sub Engr.

If approved it is hoped the Dy Comr

Note—Contn. sheet

General and Revenue Secretariat | File No 234 of 192

Serial No.

Chief's letter and the enclosures may be forwarded to the Chief Engr for comments

[illegible] 26/1/29

It looks there is a proposal to take all water supply schemes under the management of Municipalities

25/1/29

11 Rl 192-28-2 on the subject is put up. The opinions of the City Engrs of Delhi Cawnpore Lucknow & Allahabad have been called for and have not been received

[illegible] 11/2/29

17—The question may be taken up on receipt of the opinions of the City Engrs

OFFICE OF THE Second Member of Council 7 FEB. 1929

2nd Member 7/2

13 Yes 8/2

Note—Contn. sheet

No. 9963/1

5553/25-28 4

MYSORE PUBLIC WORKS DEPARTMENT,
CENTRAL OFFICE,

Dated Bangalore, .. 5 MAY .. 1928

ME 234-27-8

FROM

JOHN BHORE, ESQ., A.M.I.C.E.,
Chief Engineer of Mysore,
Bangalore.

To

R. Ranga Rao, Esq., B.A., B.L.,
General Secretary to Government,
Bangalore

SIR,

Adverting to your letter No.L.4123/M1.234-27-4 dated the 30th January 1928, re Davangere Water Supply, I have the honour to forward herewith a copy of the note drawn up by the Executive Engineer, Water Supply Division suggesting measures for the improvement of the water supply system, and to request that you will be so good as to obtain the orders of Government thereon.

I have the honour to be,
Sir,
Your most obedient servant,

John Bhore 5.5.28

Chief Engineer of Mysore.

A P P VI (i)

SUBJECT.... Note drawn by the Ex. Engineer ... Water Supply ... suggesting measures for the improvement of the Sawantwadi Water Supply System

Section Jud

File No. 234 – 27 –

Serial No. 10

No. L 8290/Engg I

Diary No. of letter replied to. 1553

General and Revenue Secretariat

(Jud)

the 11th May 1928

To The Dy. Chitnis Secy

Date of issue 17-5-28

Signed by

Sir, I am directed to forward herewith a copy of the note drawn up by the Ex. Engineer, Water Supply division suggesting measures for the improvement of the Sawantwadi water supply system received and to request you to be so good as to place it before the Jud Council Sawantwadi and submit a report of the action taken by the Jud Council within three months from the receipt of this letter. The note may be returned when done with.

I have &c.

for Secretary to Govt.

List of enclosures.

Copied by

Examined by

over

1575

Tel. Address:—Deputy,
CHITALDRUG.

In reply please refer to
No. A G C 1204 /27-28
Enclosures. one

OFFICE OF THE DEPUTY COMMISSIONER,
CHITALDRUG DISTRICT

Dated Chitaldrug 3rd November 1928.

Ml 234-27-12

FROM

C.S. Rangaiengar, Esq.,
Deputy Commissioner,
Chitaldrug District.

2037

To

R. Ranga Rao, Esq., B.A., B.L.,
General Secretary to Government,
Bangalore.

Sir,

L 5553

With reference to your letter No. L. 8290/Ml. 234-27-10 dated 17th May 1928 forwarding a copy of the note drawn up by the Executive Engineer Water Supply Division, suggesting measures for the improvement of the Davangere Water Supply System for being placed before the Municipal Council and reporting the action taken by the Municipal Council on the several suggestions contained therein, I have the honor to forward herewith a copy of letter No E T 109 dated 25th October 1928 received from the President of the Davangere Municipal Council in the matter He has been requested to submit the report called for without any further delay and on receipt of the same, communication will be made to you in the matter

I have the honor to be,
Sir,
Your most obedient servant,

Deputy Commissioner,
Chitaldrug District.

7

Letter No. 109 dated 20th October 1948 from the President, Davangere Municipality, to the Deputy Commissioner, Chitaldrug

With reference to your memo No. A-6 C 1-04/27-8 dated 16th October 1948 forwarding reminder letter in original No. I-7/16 dated 14th October 1948 received from the Personal Secretary to Government on the matter of submission of a report as to the action taken to improve the Davangere water supply system, I have the honor to state that the municipal engineer in charge of water works and from whom a report was called for is absent from duty having availed Dasara holidays and so it is not possible to submit the required report immediately. As soon as the engineer returns to duty a detailed report will be taken from him as to the improvements that he has so far made and the same will be transmitted with my remarks

----- O -----

"COPY"

Deputy Commissioner,
Chitaldrug District

ML 234-27-14

Tel. Address:—Deputy, CHITALDRUG.

In reply, please refer to No. [illegible]GC 1204/27-28
Enclosures. File

OFFICE OF THE DEPUTY COMMISSIONER, CHITALDRUG DISTRICT

Dated, Chitaldrug 24th January ...192 9

GEN & REV - CTT
L 3302
28 JAN 1929
L & A BRANCH

FROM C. S. KUPPUSWAMIENGAR, Esq.,
Deputy Commissioner,
Chitaldrug District.

To R Ranga Rao, Esq., I A.S.,
General Secretary to Government,
B a n g a l o r e

L 5583.

Sir,

With reference to your letter No L 8290/71-234/27-10 dated 17th May 1928 forwarding a copy of the note drawn up by the Executive Engineer, Water Supply Division, suggesting measures for the improvement of the Davengere Water Supply system and requesting that the action taken by the Municipal council in the matter may be reported, etc

I have the honor to forward herewith, in original, the detailed report of the Municipal Engineer, Davengere on the several points referred to in the notes The Municipal Council is of opinion that the charge of the Water Supply need not be taken by the P W D as the defects pointed out by the Executive Engineer have all been rectified (vide copy of resolution of the Council dated 1st December 1928, in the file)

The notes received with your letter under reference are returned herewith

I have the honor to be,

S i r ,

Your most obedient servant,

Assistant Commissioner,
for Deputy Commissioner,
Absent from Head Quarters

Proceedings of the ordinary/General meeting of the Davanagere Town Municipal Council held on 19-12-28

9

President

S Abdul Khalak Esq , Sub Division Officer - absent on Tour

Vice President

P Adavappa Esq, - present

XXXX XXXX XXXX

XVII Notes of Inspection received from the Executive Engineer, Water Supply Division Bangalore on his inspection of the Davanagere Water works during March 1928 and the report of the Municipal Engineer, thereon

The report of the Municipal Engineer, may be sent to the Government with the opinion that the water works is quite satisfactory There is no necessity for the D P W Dept to take charge of it as the defects mentioned by the Executive Engineer are all rectified and properly managed

COPY

DAVANGERE WATER SUPPLY.

During the recent visit of the Dewan to Davangere, the Municipal Engineer submitted a Note on the existing conditions of Water Supply which has been forwarded to the Chief Engineer with a special memo.

The Municipal Engineer has stated that the whole - pumping plant working at present should be scrapped on the assumption that it can not satisfy the demands from the Town. But no special tests seem to have been carried out with regard to the capacity of the Engine and Pump and it is not understood how the figures are arrived at.

SUCTION GAS PLANT This is at present worked by charcoal, and it is found very difficult to get good - charcoal It is being imported from Hubli

To change the charcoal plant, has all along been urged by the Municipal Council on account of this difficulty This would no doubt be a desirable change. The makers of the plant may be addressed to send up proposals.

ENGINES The two Crossely Engines are in fairly good working condition and they will satisfy all the - demands for several years to come provided both of them are kept in working condition. But proper attention to keep both engines in a working condition is not being given; and one of the engines has been invariably under die-repair due to want of some spare part or other They do not always work the engine alternately due to this, - and consequently one engine will be heavily taxed than the other and deteriorate rapidly.

The two engines are very good ones and full service can be taken from them for several years to come if they are kept always under repairs There is sufficient margin in H. P. to drive both the High Level, Low Level and Wash Pumps. It is very necessary that one set of spare parts should always be kept in stock and whenever one spare - part is used up, it should be replaced immediately.

HIGH LIFT PUMP. These are no doubt old type pumps, but still we can use them for some years, and there is no need for replacing them by new ones, especially as there is a prospect of getting Electric current in the near - future. When we do get it both the engines and pumps can be replaced by Electric Units.

The pumps also are not kept always under good repairs and one of them will always be sick When I - inspected the Pumping Station on the 9th and 10th instants only one pump was in working condition.

The original intention in installing two sets of engines and pump was to work each of them alternately which would reduce the strain on each and prolong their life It was only when one of them was under repairs that the other should work continuously. But this procedure is not being followed at all They work continuously one engine and pump and the other will all the while be unfit for work due to want of some repairs or other. It is only when one set of engine and pump working continuously show signs of break-down that they hurry up to get the other repaired This procedure is most detrimental to the life of the plant and has often been brought to the notice of the Municipal Council whenever P. W. D. Officers inspect the Pumping Station.

LOW LIFT PUMP. These are in good working condition. But the suction well out-side the Pumping Station gets silted up every year during the floods. It was therefore suggested that a silt trap should be constructed, but so far no action has been taken. When I visited the station last the Municipal Engineer told me that he was preparing an estimate.

FILTRATION. This is not in quite a satisfactory condition There is only one filter and there is no means of over-hauling and cleaning it, as only un-filtered water has to be supplied to the Town during the time of cleaning. It is therefore essential that another filter should be added. Nor is the filter working satisfactorily. It can not be washed efficiently as the wash pump capacity is small An over-head tank will obviate this difficulty and when it is constructed, the filter can be cleaned — efficiently every day.

The capacity of the co-agulation tank is not enough. There will hardly be two hours sedimentation. If efficient filtration has to be done, a duplicate tank will have to be constructed.

RISING MAIN. This is a steel main and special - precautions were taken at the time of laying to protect it from rapid deterioration. Still it is giving signs of decay due to corrosion. But still I do not think that the renewal of the entire main is very urgent. What is required is to have a number of spare pipes in stock to replace any of the pipes that entirely fail.

When, however, the demand for water in the Town increases beyond the capacity of the existing rising main,

a duplicate main, perhaps of C. I. will have to be laid. It is not advisable to take steps to replace the existing rising main by one of larger diameter. A duplicate main would be more economical in the long run

BALANCING TANK. The capacity of the present - balancing tank is 150,000 gallons. The Municipal Engineer states that the daily demand in the Town would be ---- 2,50,000 Even this demand which has never reached so far can be met without another balancing tank. For it is only during the day that almost the whole quantity is consumed, and the loss of levels in the tank can be made up by - pumping during night. At present, except on rare occasions the pumps are worked only for about 12 hours. It only requires a few hours more working to keep up with the increased demand.

DISTRIBUTION. The Municipality is making certain improvements to the Distribution by laying additional - street main. Improvement to the Distribution means additional demand for water and the Municipal Council would do well to fully consider their commitments before improving the Distribution extensively. They would be further - advised in taking technical advise before sanctioning any new estimate for the Improvement of Distribution.

HOUSE CONNECTIONS. There is large demand for house connections in addition 800 already given Every extra house connection means extra consumption and wastage of water The Municipal Council should take steps to define that only certain class of houses should get connections

WASTE OF WATER There is a large amount of wastage of water in the Town both in the public fountains and house

house connections. The Municipal Council have not provi an agency to check this wastage. There was originally one water Inspector, even his services have been dispensed with now. The Municipal Engineer has to do the whole - work now

GENERAL REMARKS. The maintenance of a Pumping - Station like that of Savangere is of a very highly - technical nature and the Municipal Council has not got that advise ready at hand to consult. There is a --- Municipal Engineer, but there is no means of checking his proposals.

There has always been, until recently, much friction between the Municipal Engineering Department and the - Municipal Councillors The result has been the neglect of the pumping plant It has not been always possible to get the estimate for repairs and renewals sanctioned- in time. With all the defects noted above, the cost of maintenance has been increasing year by year as may be seen from the statement noted below-

1920-21	Rs 25,328/-	
1921-22	Rs.27,054/-	Works were handed over to the Municipality in --- October 1921
1922-23	Rs 33,104/-	
1923-24	Rs 25,700/-	
1924-25	Rs.33,448/-	
1925-26	Rs.38,879/-	
1926-27	Rs 35,056/-	

With a view to place the whole Water Supply system on a satisfactory basis I would recommend the following -

1 that both the engines and pumps together with the Low Lift Pumps completely over-hauled replacing all the

2. One extra filter be installed and the present one over-hauled. An elevated tank to facilitate cleaning the filters every day be constructed

3. Arrangements be made to increase the capacity of the co-ogulating tank so that proper sedimentation is effected before filtration

4. About one mile length of C I Pipes of 8" diameter be purchased and kept in stock to replace the steel pipes as they get damaged

5. Suitable improvements be made to the Distribution system so that all parts of the Town might get adequate supply of water

6. Effective arrangements be made to check the abnormal wastage of water in public fountains and private connections

If all the above recommendations are accepted, it may perhaps be necessary to take over the Water Supply of Devarpura to the P W D at least till after the proposals are carried out and brought into normal working condition It is quite possible to maintain the Water Supply without any extra increase in the cost of maintenance

Executive Engineer,
WATER SUPPLY DIVISION

Bangalore,
31st March 1928.

Report of the Municipal Engineer, on the Present Water supply Conditions of Davangere and the action taken on each of the observations made by the ExecutiveEngineer, Water Supply Division Bangalore in his Note of inspection during March 1928

Davangere Water Supply:- A note was submitted by the Municipal Engineerbn the existing conditions of Water Supply to the Executive Engineer, Water Supply Division and also to the Dewan Sahib during his visit here

During thetime the note was submitted, much difficulty was felt to give adequate water supply to the town of Davangere The spare parts ordered for during the time of the previous Municipal Engineer, had not yet arrived and the season being Summer great deal of difficulty had to be over come In the report some proposals for efficient supply were given. Higher Horse Power Engines were suggested This was suggested in view of the following :-

1). There are now 322 House Connections and 70 Public Taps. About 80 applications for House Connections and Public taps are pending. Provision is here necessary for at least 100 House Connections and 10 or 15 Public Taps

2) Water is being supplied to 6 Factories and there are some more that are clamouring for Water facilities.

3) Provision is also necessary for giving ample Water facilities for the New Extention which is under contemplation- The sanctioned Estimate from Government being awaited

To provide for the above contingencies HIGHER HORSE POWER ENGINES & HIGHER CAPACITY PUMPS if necessary were suggested It was also suggested that the Present Plant might be sold for a reasonable offer

It is stated in the report that no special tests seem to have been conducted with regard to the Capacity of the Engine and Pumps, On the 19th &20th March 1927. The Executive Engineer Water supply Division, has carried out some tests The Capacity of the HIGH LIFT PUMP was then found to be 94000 gls. per hour, on an average. Working the pumps for 23 hours only 2162000 gls would be pumped and this found to be insufficient to meet the demand of the Town.

17

Some tests conducted re capacity Pumps Etc after fitting up of the spare parts in June and July are enclosed for kind information

SUCTION GAS PLANT Some difficulty seems to have been felt during the previous years to get adequate supply of Charcoal during the months of April and May and there seems to have been stoppage of pumping for a couple of days for want of Charcoal But this year fortunately practically no difficulty was felt and the Engines had only to be stopped on 4-4-28 only for two hours for want of charcoal

In my note to the Executive Engineer I had also suggested a coal plant Since then the Makers had been addressed and the Quotations have been received and further action will be taken

ENGINES The engines especially after the fitting up of the spare parts (No 2 Engine being fitted with a new breach end) are working very well

The spare parts of the Engine were received on 17-6-28 and No 2 High Lift Pump and Engines were completely fitted up during the month of June, and No. 1 Pump in July. But during the time of inspection of the Executive Engineer ~~during the~~ in March 1927 (1928) the spare parts ordered for had not yet been received and there was some trouble or other one of the Engines being always sick Now every attention is being paid to maintain them in perfect condition The Engines are also being worked alternately (changing once in fifteen days) to prevent one Engine being heavily taxed than the other In this condition the Engines may work satisfactorily for several years

After the fitting up of the spare parts to the Engines it is found that there is just enough margin to work the High and Low Lift and Wash Pumps But this condition may not be the same in view of the following:-

1 It is proposed to attach a small work shop consisting of a small lathe, and drilling Machine the necessity for which has been already explained to the President.

2 It may not be out of ~~plan~~ place to mention here that a small 3 or 4 Horse Power Dynamo may ~~also~~ also be necessary to provide lighting arrangements for the Head Works and the Quarters of the Staff

3 Davangere is a growing Town and the Poulation is increasing day by day and to give adequate supply to the town and Extension, Factories, to give more House connections and to lay more distribution mains, higher capacity Pumps may have to be installed and hence the need for HIGHER HORSE POWER ENGINES

Out of the spare received one set of the spare parts are in stock to be made use of in case of necessity

HIGH LIFT PUMPS These are old type Pumps and are working satisfactorily now But as already detailed above there may be necessity to replace them by higher capoity ones The prospect of getting Electricity is is of course encouraging, but it may take many years before it could be actually transmitted to Harihar and Davangere.

When the Executive Engineer inspected the Pumping Station on the 9th and 10th of March only one pump was in working condition and the other being sick The spare parts ordered for were eagerly awaited The spare parts received were fitted up during the month of June and July and are now kept in good repairs They are being worked alternately (changing once in fifteen days) along with the respective Engines One set of spare parts are also in stock and repairs are immediately attended to

LOW LIFT PUMP The two Low Lift Pumps are in good condition and are worked alternately Some spare parts are in stock and orders have been placed for the remaining

SUCTION WELL The suction well got silted up even this year and the silt was removed working the Engines during the night and removing the silt during the day During the inspection of the Executive Enginner it was submitted to him that the estimate of the silt trap was under preparation and he also gave his kind advice regarding some of the items of the estimate But on

But on a later date the present Executive Engineer Mr B R Garu Achar during his formal inspection of the Heal Works was of opinion that a silt trap may not after all prove useful The silt trap with masonary dust comes to about Rs 6,500/- and the President seems to be of opinion that as the Municipality has at present taken up huge number of improvements and have chalked a five Years Programme sufficient Funds may not be available for this He also seems to be of opinion that since the removal of silt from the Suction Well comes to about only Rs 100/ every year the question of silt trap may be postponed for the presents

FILTERATION The Filter which is not in satisfactory condition has to be thoroughly over-hauled, and cleaned and some spare parts are also to be fitted up The Jewel Export Company has been addressed regarding the supply of spare parts and the over-hauling and cleaning of the filter will be taken up soon after the Rainy Season and after the receipt of the spare parts It is not advisable to do the work of over-hauling and cleaning during the Rainy season as the Water is very muddy and it is not advisable to pas unfiltered water for consumption The Wash Pump capcity being small the filter does not wash efficiently This complaint seems to have been in existance from a very long time It is now proposed to insert a 8" Valve in the present Raising Main or put up a higher capacity Wash Pump Proposals will be submitted by me reagrding this after consulting the Executive Engineer Water Supply Division The need for another filter is great, But as such a filter may cost Rs 15,000/- the President seems to be of opinion that the Municipality may not be able to afford such a huge amount at present in view of their having undertaken a number of improvements.

As already submitted in my Notes to the Executive Engineer the capcity of the Co-agulating Tank is insufficient to increase the capacity it is proposed to raise the height of the baffle walls to the overflow level and estimate for this shall be submitted early The advice of the Executive Engineer Water supp division

a duplt

Co-agulating Tank.

RAISING MAIN, Since the fitting up of the spare parts to the Engines and Pumps , due to increase of pressure in the Main leaks are becoming more frequent and they are bein attended to immediately There is about 90 R Ft of Steel Pipe and three hundred R Ft CastIron pipes in stock An estimate for the duplication of the Raising main will be submitted after taking the kind advice of the Executive Engineer

BALANCING TANK The capacity of the balancing Tank is only 1,50,000 Gallons and the daily consumption as calculated on 4-11-28 is 25,000 gallons The Excutive Engineer states in his report that the Pumps are worked only for 12 hours a day and more only on rare occasions I have enclosed for kind reference the abstract from the log Book and the avarage of the last four years shows that the pumps are worked for 21½ hours per day on an average and hence it may not be possible to increase the number of hours of working of the pumps any more and meet the increased demand In this connection it might be submitted - that another balancing tank may also be necessary and thus two balancing tanks one for high level and another for low levels may ensure more efficient supply

DISTRIBUTION Two major improvements in the distribution system were done this year

1 Improveing Water supply to Chamarajpet and Narasaraja Road by replacing 3" Main by 4" Main, and
2) Laying Sub mains for the cooles in Chetaloing Road

The advice of the Executive Engineer seems to have been taken in this and the work carried out after sanction of Government In all major improvements for the distribution the kind advice of the Executive Engineer is always taken

HOUSE CONNECTIONS There are now 282 House Connections and 71 Public Taps There seems to be about 80 applications for House Connections and some more for Public Taps pending

Regarding the House Connections the matter was referred to the Executive Engineer Water supply Division and he was of opinion that the question will have to be considered after his

his personal inspection and the matter will again be placed - before the present Executive Engineer

After fitting up of the spare parts to the Engines and Pumps the question of giving more House Connections was again brought and the opinion was given that it may not be possible till after the close of the summer season by which time the effect of fitting up of spare parts will have been tested and advice of the Executive Engineer will also taken

WASTE OF WATER There was a huge amount of wastage of water both in the Public Taps and in the House Connections All possible effo to minimise this wastage is made A new Water Inspector was - entertained on 17-2-28 and an additional fitter has also been appointed one of whose duties is to go round the town and prevent wastage of water But in spite of all this there is still a considerable amount of wastage as in all other towns and this will have to be still more minimised

GENERAL REMARKS In giving proposals if they are of a highly technical nature the kind advice of the Executive Engineer is always taken and then the necessary estimates submitted to the President Immediate intimation is also been given to the - Executive Engineer in case of any break downs, unforeseen or otherwise and his kind advice and help taken

There seems to have been some friction between the Municipal Councillors and the Engineering Department and the - plant as a result had ben neglected But since the undersigned took charge in this Municipality as Municipal Engineer the relations between the Municipal Engineering Department and the Municipal Councillors have been very cordial and no difficulty is felt up till now to get the estimates for renewals and repairs sanctioned in time In case of urgency the works are taken up with the sanction of the President the Work being sanctioned latter on by the Council It is no doubt true that the cost of maintenance has increased since the time the P W D has handed over the Water Works to the Municipality but the following see to be possible reason for this increase

22

1 The P W D during the time the water works was in their charge had the advantage of working. The Engined and Pumps which were newly installed and were quite fresh But since handing over charge to the Municipality the continuous working of the Plant has necessitated fresh repairs, renewals and spare parts

2 In the maintainance account shown in the latter years the cost of the Sub Main newly laid seems to have been included

3 The Water Works was only started on a small scale with 36 house connections and 20 Public taps There are now 222 House Connections and Public taps about 70 and many new improvements in the Distribution System have also been done year by year

PRESENT WATER SUPPLY CONDITIONS OF DAVANAGERE

At present Davanagere is having a fairly satisfactory supply Even in Chamarajpet and Narasarajpet where there was very long standing complaint there is now better supply The spare parts being fitted up to the plants, they are working ~~properly~~ satisfactorily Some of the distribution mains that had been choked up with silt have been cleaned and re-laid Four tanks of capacity 1350 gls one in Chitaldrug Road and 3 in Chamarajpet Extension have been installed and are being filled up during the nights and thus more water facilities are given 4 more public taps have also been given in localities where there was a scarcity of water

Except for an un-foreseen break-down in March 28 there has been no other trouble Even while removing the silt in the Suction well there was no inconvenience to the public as the Pumping was carried during the night and water to the Town cut off only for 2 hours in the noon On days of festivals and occasions water is being supplied all 24 hours The present Executve Engineer during the formal visit to the Head Works remarked that the present condition of the water works was satisfactory

Many of the suggestions of the Executive Engineer, Water Supply Division for placing the Supply on a efficient

efficient basis have been ~~xxxxxxx~~ carried out for the remaining proposals with necessary estimates after taking the kind advice of the Executive Engineer will be submitted very early The Executive Engineer, has suggested that the Water Supply should be taken back to the P W.D Department for some time to carry out all the proposals and bring the Water Supply to an efficient basis in the light of all that has been stated above, this is a question for the President and the Muncipal Council to decide

Sd/- K Krishna Swamy
Municipal Engineer

copy
For President

Tests made on 4-11-1938 for finding Daily Consumption

Level of Water in the Tank at 6 A M — 26 ft.

Level ------ Do--------- at 9½P.M — 14 ft.

Consumption = 12 ft Reservoir Water & 15½ hours of Pumping

1 ft of reservoir water = 6362 gls (taking the capacity per ft of the cylindrical portion of the reservoir=6362gl

12 ft ---------- 76344 gls.

15½ hour of pumping (taking the pumps to pump on a minimum average only 10000gls per hour)

10,000 X 15½ = 152500 gls.

Total Consumption = 1,52500+76344 = 228844 gls or 23,0000 g

Sd/-K S. Krishnaswamy

Municipal Engineer,

Copy

For Pleader

Pleader

25

Tests carried out to find the capacity of the Pumps on 6-11-28

Test No. I

No I Engine and Pump Working.

Time of starting on 6-11-28 1-20 P M

Time of close 3-20 P M

Engine R P M	
810-815	
M Shaft	948
Pump	68
L S	415
L L P	1420

Duration of test - 2 hours

Tank level during time of test 1-20 P M. - 21 ft

3-20 P M - 24½ ft

Rise for two hours 3½ ft

Capacity of each foot of Cylandrical portion of the Tank, the diameter being 36 ft $D^2/4 = 22/7 \times \frac{36 \times 36}{4} = 1018 \times 8\frac{1}{2} = 8526$ gls

Pumping for two hours = $\frac{8526 \times 7}{2}$

= per hour = $\frac{29841}{2}$ = 11070 or 11000 gls per hour

Capacity of Pump = 11000 gls (max)

Sd/- K S Krishna Swamy

Municipal Engineer, Davanagere

Municipality

Copy

Recd

for President

Number of hours worked by the Engine and Pumps as per Log book.

Month.	1924	1925.	1926	1927.	1928	
January	-	630	634	724	721	
February	-	606	576½	645	683	
March	-	589	670	799	605 B D.	
April	-	620½	680	6992	690	
May	-	699	715	794	727	
June	-	605½	694½	692	695	
July.	509	620	714	696½	705	
August	500	627	582	737	719	
September.	598½	602½	673	701½	708	
October.	631	639	665	701	727	
November	628	592	687	656½	-	
December.	610	643	715	788½	-	
Total	3467½	7473½	7504	8413½	6978	
Average per day	18	20 5	20.6	25 0	22.9	

Sd/- K S Krishnaswamy
Municipal Engineer,

'Copy'
Sd/- [illegible]
for President-

ABC 1204/27-28 Duplicate

Forwarded to the President, Bangalore Municipal Council for information and necessary action in the reference cited in the Office note No ABC 1204/27-28 dated 27-5-28

[illegible]

for Chief Secretary

17.10.28

Municipal
to repeat
and not
send advance
copy

20-X-28

DEPU[illegible]
CHITALDRUG
[illegible] 1928
No. 3277

G R S. 40]

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

GENERAL AND REVENUE SECRETARIAT

No. 12718, dated the 10-10-1928.

( )

REPLY

No, , dated the 192

To

The Deputy Commissioner of Chitaldrug

Chitaldrug

To

The Secretary to the Government of H H the Maharaja of Mysore,

.. .. Department.

SUBJECT

Inspection article on the Water Supply Scheme to Davangere Town

SIR,

I am directed to invite attention to the marginally noted communication and to request that the Government of His Highness the Maharaja may be informed, in the column opposite, of the cause of delay in furnishing a reply and of the approximate date on which reply may be expected.

*No. 8249 dated 17-9-28

I am also to request that the reply to this reminder may be sent not later than the end week from this date

I have, etc.,

for Secretary to Government,
Department.

7-10-28

Previous reminders

WD 01795—SFD—5,000—22-4-28

D. O. No. 1852

PUBLIC WORKS SECRETARIAT.

Dated Bangalore, February 21, 1928

Dear Mr. Ranga Rao,

Your D.O. No. L.4712-17 dated the 16th instant, sending a list of cases said to be pending for over six months in this office.

In reply, I write to inform you that these cases are not pending in this office.

The report on the condition of the Davanagere Water Works, was forwarded to you in this Office No. 9857 dated the 14th April 1927 and reference to this was once again invited in this Office No. 6555 dated the 15th January 1928, when a reminder was received from your office.

As regards prevention of Malaria in the village of Kempapur and its surroundings, I would invite your kind reference to my No. 6792 dated the 19th January 1928, intimating that a report was submitted to the Chief Secretary in this office Un-official No. 36 - dated the 21st September 1927.

Yours sincerely,

22.2.28